

WHAT IS CLAIMED IS:

1. An exhaust control system for a cylinder fuel injection engine having a cylinder injection injectors directly injecting a fuel into combustion chambers and a catalytic converter provided in an exhaust passage from said combustion chambers for purifying an exhaust gas, wherein an air/fuel ratio in said combustion chambers is periodically made rich.
2. An exhaust control system for a cylinder fuel injection engine as set forth in claim 1, which includes a catalytic converter temperature measuring means for measuring a temperature of said catalytic converter for making a period to making the air/fuel ratio in the combustion chambers rich (rich period) longer when a temperature of the catalytic converter is lower than a predetermined value.
3. An exhaust control system for a cylinder fuel injection engine as set forth in claim 1, which includes a catalytic converter temperature measuring means for measuring a temperature of said catalytic converter for reducing fuel amount to be injected into the combustion chamber for reducing degree of making the mixture rich when a temperature of the catalytic converter is lower than a predetermined value.
4. An exhaust control system for a cylinder fuel injection engine as set forth in claim 1, which includes a catalytic converter temperature measuring means for measuring a temperature of said catalytic

converter for implementing combustion control for increasing CO in the exhaust gas when a temperature of the catalytic converter is lower than a predetermined value.

5. An exhaust control system for a cylinder fuel injection engine as set forth in claim 2, which includes a catalytic converter temperature measuring means for measuring a temperature of said catalytic converter for implementing combustion control for increasing CO in the exhaust gas when a temperature of the catalytic converter is lower than a predetermined value.

6. An exhaust control system for a cylinder fuel injection engine as set forth in claim 3, which includes a catalytic converter temperature measuring means for measuring a temperature of said catalytic converter for implementing combustion control for increasing CO in the exhaust gas when a temperature of the catalytic converter is lower than a predetermined value.

7. An exhaust control system for a cylinder fuel injection engine having a cylinder injection injectors directly injecting a fuel into combustion chambers and a catalytic converter provided in an exhaust passage from said combustion chambers for purifying an exhaust gas, wherein at least one time of auxiliary fuel injection is performed at a timing from expansion stroke to exhaust stroke after a primary injection

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injecting a primary fuel for obtaining an output of the engine.

8. An exhaust control system for a cylinder fuel injection engine as set forth in claim 7, which includes a catalytic converter temperature measuring means for measuring a temperature of said catalytic converter for making a period of auxiliary injection longer when the temperature of the catalytic converter <sup>a</sup> is lower than the predetermined value.

9. An exhaust control system for a cylinder fuel injection engine as set forth in claim 7, which includes a catalytic converter temperature measuring means for measuring a temperature of said catalytic converter for reducing fuel amount of the auxiliary injection when the temperature of the catalytic converter is lower than the predetermined value.

10. An exhaust control system for a cylinder fuel injection engine as set forth in claim 7, which includes a catalytic converter temperature measuring means for measuring a temperature of said catalytic converter for retarding timing of said auxiliary injection when the temperature of the catalytic converter is high than the predetermined value.

11. An exhaust control system for a cylinder fuel injection engine having a cylinder injection injectors directly injecting a fuel into combustion chambers and a catalytic converter provided in an exhaust passage from said combustion chambers for purifying an exhaust

gas, wherein catalytic converter temperature measuring means for measuring a temperature of said catalytic converter for periodically inhibiting ignition when the temperature of the catalytic converter is high than the predetermined value.

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